

Mail Stop Patent Application  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement accompanies the new patent application submitted herewith of the following Inventors: Rasappa G. ARUMUGHAM, Maria FORTUNA-NEVIN, Michael A. APICELLA, Bradford W. GIBSON;

For: ANTIGENIC CONJUGATES OF CONSERVED LIPOPOLYSACCHARIDES OF GRAM NEGATIVE BACTERIA.

1. Preliminary Statements

In accordance with 37 CFR 1.97 and 1.98, Applicants submit herewith patents, publications, or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56. This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) the information is material to the examination of this application; (iii) additional information material to the examination of this application does not exist; (iv) the information, protocols, results and the like reported by third parties are accurate or enabling; or (v) the information constitutes prior art to the subject invention.

2. ☒ Previously Cited Information

No copy of the patents, publications or other information cited on the attached form PTO-1449 is enclosed because it has been previously cited by or submitted to the Office in a prior application which is relied upon for an earlier filing date under 35 USC 120. Prior application is Application Number 09/264,747 filed on March 9, 1999 of Rasappa G. ARUMUGHAM, Maria FORTUNA-NEVIN, Michael A. APICELLA, Bradford W. GIBSON for ANTIGENIC CONJUGATES OF CONSERVED LIPOPOLYSACCHARIDES OF GRAM NEGATIVE BACTERIA.

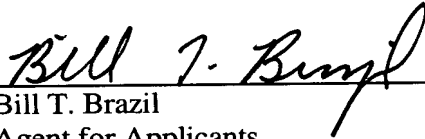
**CERTIFICATE OF MAILING 37 CFR §1.10**

I hereby certify that this paper and the documents referred to as enclosed therein are being deposited with the United States Postal Service on the date written below in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV243963130US addressed to the Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

August 19, 2003  
Date

Carole K. Kamrad  
Carole K. Kamrad

3. ☐ Newly Cited Information  
A legible copy of the patents, publications or other information cited on the attached form PTO-1449 is enclosed, except that no copy of a pending U.S. application is enclosed.
4. ☐ Concise Explanation  
Documents cited above which are not in the English Language  
a. ☐ have been explained in the specification.  
b. ☐ have an abstract (or other concise explanation) in English enclosed or, if readily available, a translation into English of the document is enclosed.
5. Form PTO-1449 is enclosed in duplicate.

  
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Bill T. Brazil  
Agent for Applicants  
Reg. No. 50,733

Wyeth  
Patent Law Department  
Five Giralda Farms  
Madison, NJ 07940  
Tel. No. (732) 274-4843

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>		
				Application Number		
				Filing Date		
				First Named Inventor	Rasappa Arumugham	
				Group Art Unit		
Examiner Name						
Sheet	1	of	1	Attorney Docket Number		ACY33317-D1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number (If known)	Kind Code (If Known)			
	1.	4,707,543		Zollinger et al.	11-1987	
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Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (If Known)				
	5.	WO	9,719,688		Apicella et al.	06-05-1997		<input type="checkbox"/>
	6.	WO	94/08021		Van Der Ley et al.	04-14-1994		

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T
	7.	Preston, A. et al., <i>Critical Reviews in Microbiology</i> , 22:(3):139-180 (1996)			<input type="checkbox"/>
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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.